



PTO/SB/08a/b (08-03)

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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/821,913
				Filing Date	April 12, 2004
				First Named Inventor	Hideki Sato
				Art Unit	To Be Assigned
				Examiner Name	To Be Assigned
Sheet	1	of	1	Attorney Docket Number	P9219.0007

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
AA		US-5,945,825	08-31-1999	Wolfgang Clemens	
AB		US-5,315,282	05-24-1994	Shinjo et al.	
AC		U.S. Patent 5,561,368	10-01-1996	Dovek et al.	
AD		U.S. Patent 6,465,053	10/2002	Lenssen et al.	
AE		US 2002/0006017 A1	01/2002	Derk Jan Adelerhof	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			
BA		-JP 10-70325	03-10-1998		
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BC		JP-2000-35470	02-02-2000		
BD		JP-2000-338211	12-08-2000		
BE		JP-2001-345498	12-14-2001		
BF		EP 0 905 523 A3	03/31/1999		
BG		DE 196 49 265 A1	06/04/1998		
BH		DE 197 42 366 C1	05/27/1999		

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
CA		Copy of Notification of Reasons for Refusal dated August 12, 2003 (and English translation of same) <i>Sensors</i>			
CB		"Magnetic Sensor Giant Magneto Resistors", Application Notes 10.98, October 1998, Siemens Aktiengesellschaft, Germany			
CC		Copy of Partial European Search Report dated February 4, 2004			
CD		Ku et al., "Precision X-Y Robotic Object Handling Using Dual GMR Bridge Sensor", IEEE Transactions on Magnetics, Vol. 36, No. 5, pgs. 2782-2784 (September 2000)			
CE		Black & Fayfield, "High-Speed Circuits Employing On-Chip Magnetic Components", Mixed-Signal Design, SSMSD 99, 1999 Southwest Symposium, pgs. 156-161 (1999)			

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David Schindler

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12/1/2005



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DS	BA	-DE 198 30 343 C1	04-06-2000		
DS	BB	-DE 199 33 209 A1	02-03-2000		

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			
DS	CA	Copy of European Search Report dated June 8, 2004			

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David S. Schindler

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					¹

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²²	CA	Hill et al., Sensors and Actuators A, Vol. 59, pgs. 30-37 (1997) <input type="checkbox"/>			
²²	CB	Ron Neale, "Taming the Giant MagnetoResistance (GMR) effect", Sensors, Electronic Engineering, pgs. 36-40 (1996)			
²²	CC	Smith et al., "The Growing Role of Solid-State Magnetic Sensing", Sensors Expo-Detroit, pgs. 139-149 (1997)			
²²	CD	Spong et al., "Giant Magnetoresistive Spin Valve Bridge Sensor", IEEE Transactions on Magnetics, Vol. 32, No. 2, pgs. 366-371 (1996)			
²²	CE	Daughton et al., "Magnetic Field Sensors Using GMR Multilayer", IEEE Transactions on Magnetics, Vol. 30, No. 6, pgs. 4608-4610 (1994)			

See Office action with regard to this reference.

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Examiner Signature	<i>David Schindler</i>	Date Considered	12/11/2005
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